



PATENT APPLN.

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UNITED STATES PATENT
AND TRADEMARK OFFICE

Applicant: David L. FOSNAUGH) I hereby certify that this
Serial No.: 07/699,479) paper is being deposited
Filed: May 13, 1991) with the United States
For: DIE-SHAPING APPARATUS AND) Postal Service as First
PROCESS AND PRODUCT FORMED) Class Mail in an envelope
THEREBY) addressed to: Commissioner
Group Art Unit: 3204) of Patents & Trademarks,
Examiner: Raymond Woods) Washington, D.C. 20231, on
Date: March 18, 1993
Donald J. Brott
Registration No. 19,490
Attorney for Applicant

Hon. Commissioner of Patents
and Trademarks
Washington, D.C. 20231

CERTIFICATION FOR INFORMATION DISCLOSURE STATEMENT
(37 CFR 1.97(e))

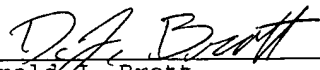
1. This certification is being made for the Information Disclosure Statement accompanying this certification.
2. I, the person signing below, certify that no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated in § 1.56(c) more than three months prior to the filing of the statement, 37 CFR 1.97(e)(2).
3. The person making this certification is the attorney who signs below on the basis of:

- ☒ the information supplied by the inventor
- ☐ the information supplied by an individual designated in § 1.56(c)
- ☒ the information in the attorney's file

Respectfully submitted,

MARSHALL, O'TOOLE, GERSTEIN,
MURRAY & BORUN

Date: *March 18,*
1993



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42831



PATENT APPLN.

IN THE UNITED STATES PATENT
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) Washington, D.C. 20231, on
) this date:
)
Group Art Unit: 3204) Date: March 18, 1993
Examiner: RAYMOND WOODS)
) Donald J. Brott
) Donald J. Brott
) Registration No. 19,490
) Attorney for Applicant

SUPPLEMENTARY
INFORMATION DISCLOSURE STATEMENT

Hon. Commissioner of Patents
and Trademarks
Washington, D.C. 20231

Sir:

Applicant has filed an Information Disclosure Statement in compliance with 37 CFR 1.56 in continuation-in-part application Serial No. 07/979,270. For the sake of completeness of the present application, a copy of the above-mentioned Statement is being filed herewith. Copies of the documents filed with the above-mentioned Statement may be found in the above C-I-P application, but additional copies will be filed herein if the Examiner so requests.

It is requested that the attached Statement and documents be reviewed and made of record herein.

Respectfully submitted,

MARSHALL, O'TOOLE, GERSTEIN,
MURRAY & BORUN

Date: March 18, 1993

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PATENT APPLN.

IN THE UNITED STATES PATENT
AND TRADEMARK OFFICE

Applicant: David L. FOSNAUGH) I hereby certify that this
Serial No.: 07/979,270) paper is being deposited
Filed: November 20, 1992) with the United States
For: DIE-SHAPING APPARATUS AND) Postal Service as First
PROCESS AND PRODUCT FORMED) Class Mail in an envelope
THEREBY) addressed to: Commissioner
Group Art Unit: 1513) of Patents & Trademarks,
Examiner: PATRICK JEWIK) Washington, D.C. 20231, on
this date:
Date: March 18, 1993
Donald J. Brott
Registration No. 19,490
Attorney for Applicant

INFORMATION DISCLOSURE STATEMENT

Hon. Commissioner of Patents
and Trademarks
Washington, D.C. 20231

Sir:

Attached hereto are forms PTO-1449 numbered 1 to 5 and
copies of some of the documents as identified below.

Patents Located in Search

Copies of the patents listed in the attached forms numbered
4 and 5 are attached hereto, with the exception of the Stegman
patent No. 3,338,084. Of these, the following patents describe
the use of photoelectric devices for picking up or sensing the
position or alignment of a strip in a machine:

Yajima No. 4,641,828 discloses a sheet having positioning
marks, photosensitive devices that sense the marks and
detect a misalignment, and mechanisms for correcting a
misalignment prior to punching the sheet.

Frenkel No. 2,880,539 discloses photocells for sensing a
mark on a ribbon to determine a lack of proper alignment of
a decal with a platen.

Seragnoli '797; Grewe '507; Hayasaka '997; Steinberg '246; Wolfner '500; and Bodendoerfer '968 also disclose machines including photocells for sensing marks on strips. In some of the patents, the photocells operate mechanisms for adjusting the strip feed.

The following patents disclose electrical proximity sensors:

The Hara patent '507 shows electrical proximity sensors which pick-up or sense holes in laminations. The Davis patent '320 shows a linear voltage displacement transformer which responds to the position of a strip.

The following patents describe the use of mechanical probes or feelers to pick-up or sense alignment holes or edges of a strip:

Arnold	4,624,162	Crane	2,329,392
Bourlo	4,046,040	Tagami	3,854,359
Borke	2,986,254	Loeffel	3,124,026
Leland	1,916,379	Daley	1,962,431

Articles in Publication "Metal Forming"

With reference to the articles of George Keremedjiev cited in PTO Form 1449 number 3, copies are attached hereto. They discuss the application of electronic sensors to metal stamping machines. The article dated October 1988 describes "the use of inductive proximity sensors and/or fiber optic photoelectric sensors" for use with air feeds of a press. The April 1989 article discusses the use of electronic sensors and controllers for controlling critical motions on slide-based machinery. The June 1989 article describes a proximity sensor and a controller "to 'electronically size' the pilot hole so as to detect the leading or trailing edge of the pilot hole should it be out of location due to an over or underfeed condition". The July 1989 issue discusses the use of electronic sensors to detect a misfeed and to "attempt to do something about the misfeed by repositioning the strip, and if that fails, then proceed to stop the press". This article further refers to "centering of the sensor with respect to the hole on the strip". The September 1989 article refers to inductive proximity sensors which pick-up or sense alignment holes or edges of a progressive strip.

Information Contained in Parent
Fosnaugh Appln. Ser. No. 07/699,479

The remaining documents listed in forms PTO-1449 were cited in the parent Fosnaugh pending patent application Ser. No. 07/699,479 filed May 13, 1991. Since copies of these documents may be found in application Serial No. 07/699,479, copies are not attached hereto.

The present patent application Serial No. 07/979,290⁷⁶ is a continuation-in-part of parent application Serial No. 07/699,479. In accordance with the policy set forth in M.P.E.P. §2001.06(b), the Examiner is referred to the above parent application for consideration of the prior art and the other information submitted therein by the applicant. If the Examiner requests, additional copies of the prior art referred to in the parent application will be provided.


Attached hereto is a check in the amount of \$200 in payment of the fee specified in Section 1.97(c). Any additional fees in connection with the filing of the statement may be charged to Deposit Account No. 13-2855. A copy of this transmittal is enclosed.

It is requested that the documents cited herein be made of record in this application.

Respectfully submitted,

MARSHALL, O'TOOLE, GERSTEIN,
MURRAY & BORUN

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